

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P274999

Luminaire Tested: **J3-CL-30L92765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274999
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-CL-30L92765-1D-UNV-W2A-W-4 (2700K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 2700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2262.0 lumens
Efficiency: N/A
Efficacy: 109.3 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.33 / 1.46
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

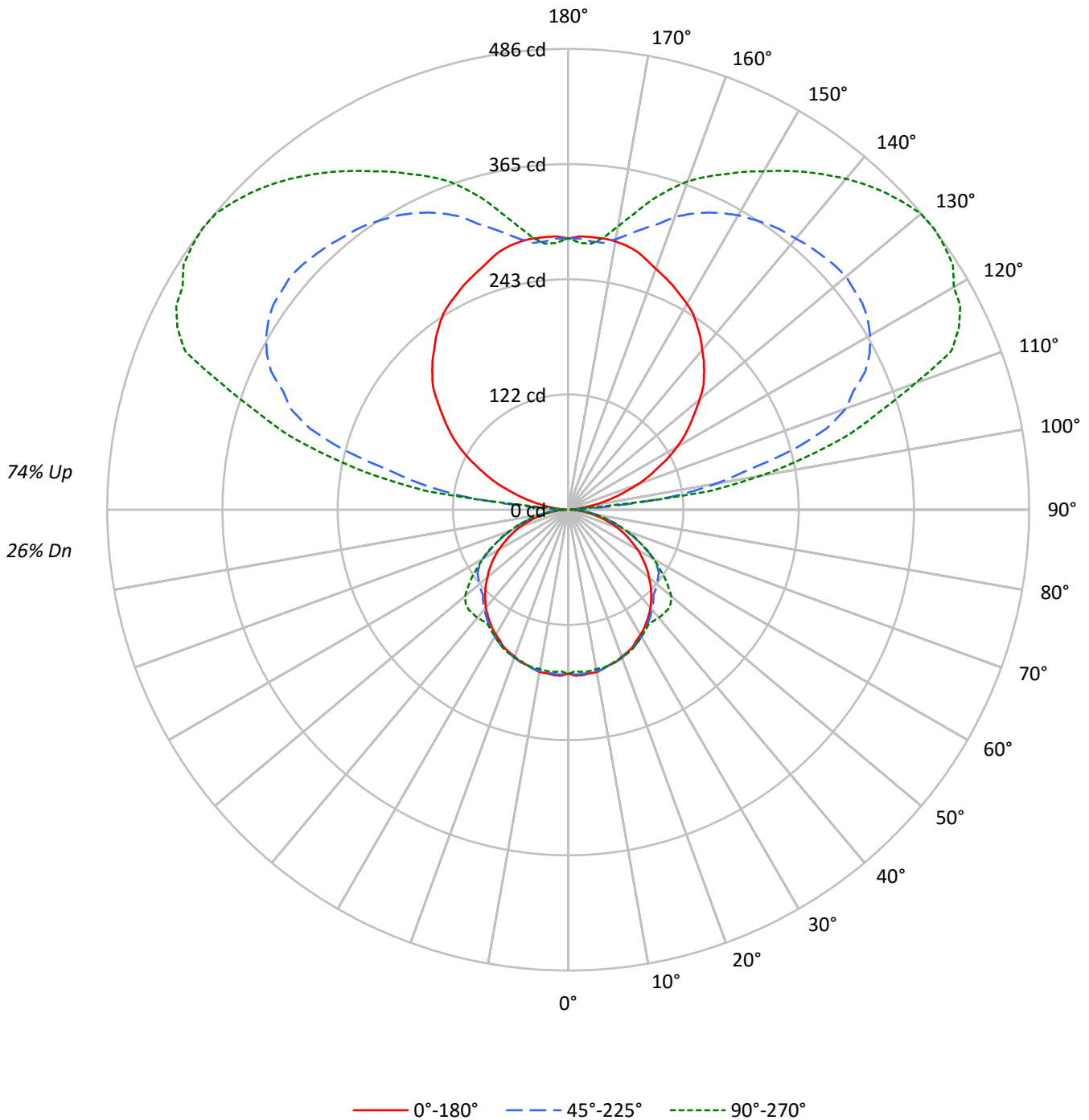
Input Watts (W): 20.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26				
1	92	88	84	80	82	78	75	72	61	58	56	44	43	42	29	28	28	21				
2	84	76	70	65	74	68	63	59	53	49	46	38	36	34	25	24	23	17				
3	76	67	60	54	67	60	54	49	46	42	38	34	31	29	22	21	19	14				
4	69	59	51	45	61	53	46	41	41	36	32	30	27	24	20	18	16	12				
5	63	52	44	38	56	47	40	35	36	31	28	27	23	21	18	16	14	10				
6	58	46	39	33	52	42	35	30	32	28	24	24	21	18	16	14	12	9				
7	54	42	34	29	48	37	31	26	29	24	21	22	18	16	14	12	11	8				
8	50	38	30	25	44	34	27	23	26	22	18	20	16	14	13	11	9	7				
9	46	34	27	22	41	31	24	20	24	19	16	18	15	12	12	10	8	6				
10	43	31	24	19	38	28	22	18	22	17	14	16	13	11	11	9	8	6				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1396	1396	1396
5°	1420	1410	1391
10°	1426	1417	1398
15°	1416	1416	1416
20°	1417	1426	1426
25°	1428	1438	1438
30°	1420	1440	1440
35°	1421	1444	1456
40°	1424	1448	1568
45°	1411	1451	1699
50°	1394	1539	1783
55°	1386	1644	1740
60°	1368	1682	1682
65°	1333	1597	1618
70°	1298	1513	1541
75°	1213	1429	1463
80°	1116	1385	1330
85°	1056	1482	1269



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.5	0.7
10°-20°	47.8	2.1
20°-30°	73.9	3.3
30°-40°	91.7	4.1
40°-50°	102.6	4.5
50°-60°	100.3	4.4
60°-70°	79.1	3.5
70°-80°	47.9	2.1
80°-90°	17.1	0.8
90°-100°	58.8	2.6
100°-110°	227.2	10.0
110°-120°	312.3	13.8
120°-130°	315.9	14.0
130°-140°	280.0	12.4
140°-150°	221.4	9.8
150°-160°	154.6	6.8
160°-170°	87.5	3.9
170°-180°	27.4	1.2
0°-30°	138.3	6.1
0°-40°	230.0	10.2
0°-60°	432.9	19.1
0°-90°	576.9	25.5
90°-120°	598.2	26.4
90°-150°	1415.5	62.6
90°-180°	1685.0	74.5
0°-180°	2262.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	173	173	173	173	173	
5°	175	173	174	173	172	17
15°	169	168	169	169	169	48
25°	160	158	161	161	161	74
35°	144	144	146	148	148	90
45°	124	125	127	143	149	95
55°	98	100	117	124	124	88
65°	70	73	84	85	85	69
75°	39	46	46	47	47	41
85°	11	18	16	15	14	12
90°	2	7	6	1	1	2
95°	9	46	55	11	11	11
105°	50	163	246	284	307	54
115°	104	220	346	428	454	104
125°	157	254	379	461	484	140
135°	203	279	379	453	473	156
145°	237	286	368	421	435	148
155°	261	279	346	384	390	120
165°	282	280	307	333	338	79
175°	288	285	284	284	282	28
180°	286	286	286	286	286	



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CATALOG NUMBER: J3-CL-30L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	172.9	172.9	172.9	172.9	172.9
2.5°	175.2	172.9	174.0	172.9	170.6
5°	175.2	172.9	174.0	172.9	171.7
7.5°	174.0	172.9	172.9	171.7	171.7
10°	174.0	171.7	172.9	171.7	170.6
12.5°	171.7	170.6	171.7	170.6	170.6
15°	169.4	168.3	169.4	169.4	169.4
17.5°	168.3	166.0	168.3	168.3	167.1
20°	164.9	163.7	166.0	166.0	166.0
22.5°	162.6	161.4	163.7	163.7	163.7
25°	160.3	158.0	161.4	161.4	161.4
27.5°	155.7	155.7	158.0	159.1	158.0
30°	152.3	151.1	154.5	155.7	154.5
32.5°	148.8	147.7	151.1	152.3	151.1
35°	144.2	144.2	146.5	147.7	147.7
37.5°	139.7	139.7	142.0	143.1	147.7
40°	135.1	135.1	137.4	144.2	148.8
42.5°	129.4	129.4	132.8	143.1	148.8
45°	123.6	124.8	127.1	143.1	148.8
47.5°	117.9	119.1	124.8	142.0	146.5
50°	111.0	113.3	122.5	138.5	142.0
52.5°	105.3	106.5	119.1	132.8	132.8
55°	98.5	99.6	116.8	123.6	123.6
57.5°	91.6	92.7	111.0	113.3	113.3
60°	84.7	85.9	104.2	104.2	104.2
62.5°	76.7	79.0	93.9	95.0	95.0
65°	69.8	73.3	83.6	84.7	84.7
67.5°	61.8	67.5	74.4	75.6	75.6
70°	55.0	61.8	64.1	65.3	65.3
72.5°	46.9	53.8	55.0	56.1	56.1
75°	38.9	45.8	45.8	46.9	46.9
77.5°	30.9	36.6	37.8	37.8	37.8
80°	24.0	27.5	29.8	28.6	28.6
82.5°	17.2	21.8	21.8	21.8	20.6
85°	11.4	18.3	16.0	14.9	13.7
87.5°	6.9	16.0	9.2	8.0	8.0
90°	2.3	6.9	5.7	1.1	1.1
92.5°	4.6	11.4	5.7	4.6	3.4
95°	9.2	45.8	55.0	11.4	11.4
97.5°	17.2	76.7	117.9	139.7	150.0
100°	26.3	114.5	158.0	193.5	206.1
102.5°	37.8	138.5	194.6	239.3	257.6
105°	50.4	162.6	246.1	283.9	306.8
107.5°	63.0	180.9	286.2	328.6	344.6
110°	77.8	195.8	311.4	384.7	389.2



TEST NUMBER: P274999

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	91.6	207.2	325.1	412.1	437.3
115°	104.2	219.8	345.7	428.2	454.5
117.5°	119.1	229.0	358.3	437.3	465.9
120°	132.8	237.0	367.5	448.8	469.4
122.5°	145.4	246.1	374.4	457.9	480.8
125°	156.8	254.1	378.9	461.4	484.3
127.5°	168.3	261.0	380.1	462.5	486.5
130°	180.9	267.9	382.4	461.4	485.4
132.5°	193.5	274.8	381.2	457.9	479.7
135°	202.6	279.3	378.9	453.3	472.8
137.5°	211.8	282.8	376.6	446.5	464.8
140°	219.8	285.1	373.2	438.5	455.6
142.5°	229.0	286.2	370.9	430.4	445.3
145°	237.0	286.2	367.5	421.3	435.0
147.5°	245.0	285.1	362.9	412.1	423.6
150°	250.7	282.8	358.3	403.0	412.1
152.5°	255.3	280.5	352.6	392.7	401.8
155°	261.0	279.3	345.7	383.5	390.4
157.5°	265.6	279.3	337.7	373.2	380.1
160°	270.2	279.3	328.6	362.9	368.6
162.5°	275.9	279.3	316.0	348.0	353.7
165°	281.6	280.5	306.8	333.1	337.7
167.5°	285.1	280.5	297.7	314.8	319.4
170°	287.3	282.8	289.6	302.2	303.4
172.5°	288.5	285.1	283.9	289.6	289.6
175°	288.5	285.1	283.9	283.9	281.6
177.5°	288.5	286.2	286.2	285.1	281.6
180°	286.2	286.2	286.2	286.2	286.2

(END OF REPORT)